

# Jean-Yves Tinevez

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2873129/publications.pdf>

Version: 2024-02-01

46  
papers

53,868  
citations

361296

20  
h-index

254106

43  
g-index

65  
all docs

65  
docs citations

65  
times ranked

92484  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fiji: an open-source platform for biological-image analysis. <i>Nature Methods</i> , 2012, 9, 676-682.	9.0	47,818
2	TrackMate: An open and extensible platform for single-particle tracking. <i>Methods</i> , 2017, 115, 80-90.	1.9	2,546
3	Objective comparison of particle tracking methods. <i>Nature Methods</i> , 2014, 11, 281-289.	9.0	805
4	Role of cortical tension in bleb growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 18581-18586.	3.3	478
5	TNF and IL-1 exhibit distinct ubiquitin requirements for inducing NEMO's IKK supramolecular structures. <i>Journal of Cell Biology</i> , 2014, 204, 231-245.	2.3	415
6	Polar actomyosin contractility destabilizes the position of the cytokinetic furrow. <i>Nature</i> , 2011, 476, 462-466.	13.7	299
7	TrackMate 7: integrating state-of-the-art segmentation algorithms into tracking pipelines. <i>Nature Methods</i> , 2022, 19, 829-832.	9.0	269
8	Multi-view light-sheet imaging and tracking with the MaMuT software reveals the cell lineage of a direct developing arthropod limb. <i>ELife</i> , 2018, 7, .	2.8	134
9	Unifying the Various Incarnations of Active Hair-Bundle Motility by the Vertebrate Hair Cell. <i>Biophysical Journal</i> , 2007, 93, 4053-4067.	0.2	124
10	Strategies of professional phagocytes in vivo: unlike macrophages, neutrophils engulf only surface-associated microbes. <i>Journal of Cell Science</i> , 2011, 124, 3053-3059.	1.2	121
11	Harmonin-b, an actin-binding scaffold protein, is involved in the adaptation of mechano-electrical transduction by sensory hair cells. <i>Pflügers Archiv European Journal of Physiology</i> , 2009, 459, 115-130.	1.3	77
12	TIM-1 Ubiquitination Mediates Dengue Virus Entry. <i>Cell Reports</i> , 2018, 23, 1779-1793.	2.9	75
13	A Quantitative Method for Measuring Phototoxicity of a Live Cell Imaging Microscope. <i>Methods in Enzymology</i> , 2012, 506, 291-309.	0.4	68
14	Bioimage analysis of <i>Shigella</i> infection reveals targeting of colonic crypts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E3282-90.	3.3	58
15	Altered spinogenesis in iPSC-derived cortical neurons from patients with autism carrying de novo SHANK3 mutations. <i>Scientific Reports</i> , 2019, 9, 94.	1.6	51
16	Bidirectional intraflagellar transport is restricted to two sets of microtubule doublets in the trypanosome flagellum. <i>Journal of Cell Biology</i> , 2018, 217, 4284-4297.	2.3	41
17	Automated cell tracking using StarDist and TrackMate. <i>F1000Research</i> , 2020, 9, 1279.	0.8	34
18	Msx1 and Msx2 act as essential activators of <i>Atoh1</i> expression in the murine spinal cord. <i>Development (Cambridge)</i> , 2014, 141, 1726-1736.	1.2	33

#	ARTICLE	IF	CITATIONS
19	LocalZProjector and DeProj: a toolbox for local 2D projection and accurate morphometrics of large 3D microscopy images. BMC Biology, 2021, 19, 136.	1.7	29
20	Dynamic spatiotemporal coordination of neural stem cell fate decisions occurs through local feedback in the adult vertebrate brain. Cell Stem Cell, 2021, 28, 1457-1472.e12.	5.2	29
21	The infectious hypoxia: occurrence and causes during Shigella infection. Microbes and Infection, 2017, 19, 157-165.	1.0	28
22	Shigella-mediated oxygen depletion is essential for intestinal mucosa colonization. Nature Microbiology, 2019, 4, 2001-2009.	5.9	26
23	Anisotropic organization of circumferential actomyosin characterizes hematopoietic stem cells emergence in the zebrafish. ELife, 2018, 7, .	2.8	25
24	Conical diffraction illumination opens the way for low phototoxicity super-resolution imaging. Cell Adhesion and Migration, 2014, 8, 430-439.	1.1	23
25	A simple model for the fate of the cytokinesis midbody remnant: Implications for remnant degradation by autophagy. BioEssays, 2013, 35, 472-481.	1.2	22
26	Molecular organization and mechanics of single vimentin filaments revealed by super-resolution imaging. Science Advances, 2022, 8, eabm2696.	4.7	21
27	Object Segmentation and Ground Truth in 3D Embryonic Imaging. PLoS ONE, 2016, 11, e0150853.	1.1	20
28	MUB40 Binds to Lactoferrin and Stands as a Specific Neutrophil Marker. Cell Chemical Biology, 2018, 25, 483-493.e9.	2.5	13
29	Crumbs Affects Protein Dynamics In Anterior Regions Of The Developing Drosophila Embryo. PLoS ONE, 2013, 8, e58839.	1.1	12
30	<i>Shigella</i> impairs human T lymphocyte responsiveness by hijacking actin cytoskeleton dynamics and T cell receptor vesicular trafficking. Cellular Microbiology, 2020, 22, e13166.	1.1	11
31	Highlights from the 2016-2020 NEUBIAS training schools for Bioimage Analysts: a success story and key asset for analysts and life scientists. F1000Research, 2021, 10, 334.	0.8	10
32	Listeriolysin S: A bacteriocin from <i>Listeria monocytogenes</i> that induces membrane permeabilization in a contact-dependent manner. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	10
33	Conical diffraction as a versatile building block to implement new imaging modalities for superresolution in fluorescence microscopy. Proceedings of SPIE, 2014, , .	0.8	8
34	The NEMO Dots Assembly: Single-Particle Tracking and Analysis. Learning Materials in Biosciences, 2020, , 67-96.	0.2	8
35	Automated cell tracking using StarDist and TrackMate. F1000Research, 0, 9, 1279.	0.8	7
36	Three-dimensional Quantification of Dendritic Spines from Pyramidal Neurons Derived from Human Induced Pluripotent Stem Cells. Journal of Visualized Experiments, 2015, , .	0.2	6

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37	Irradiation damage to frog inner ear during synchrotron radiation tomographic investigation. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2009, 170, 37-41.	0.8	5
38	In vitro characterization of fluorescence by unbound excitation from luminescence: Broadening the scope of energy transfer. <i>Methods</i> , 2014, 66, 353-361.	1.9	5
39	Fluorescence imaging host pathogen interactions: fifteen years benefit of hindsight. <i>Current Opinion in Microbiology</i> , 2018, 43, 193-198.	2.3	3
40	Imaging of Red-Shifted Light From Bioluminescent Tumors Using Fluorescence by Unbound Excitation From Luminescence. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 73.	2.0	3
41	Best Fit 3D Basilar Membrane Reconstruction to Routinely Assess the Scalar Position of the Electrode Array after Cochlear Implantation. <i>Journal of Clinical Medicine</i> , 2022, 11, 2075.	1.0	3
42	Micro mirror arrays as high-resolution spatial light modulators for photoactivation and optogenetics. , 2013, , .		2
43	A new method to achieve tens of nm axial super-localization based on conical diffraction PSF shaping. , 2015, , .		1
44	Spatio-angular light control in microscopes using micro mirror arrays. <i>Proceedings of SPIE</i> , 2015, , .	0.8	1
45	The frequency and consequences of multipolar mitoses in undifferentiated embryonic stem cells. <i>Journal of Applied Biomedicine</i> , 2019, 17, 209-217.	0.6	1
46	Spatially resolved contrast measurement of diffractive micromirror arrays. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0